

CLAIMS

1. A method for obtaining an aptamer, comprising the following steps (a) to (e) with steps (b) to (e) repeated any number of times:

5 (a) immobilizing to a microarray substrate a plurality of polynucleotides comprising nucleotide sequences that are different from one another;

(b) contacting a labeled target molecule with said microarray substrate immobilized with polynucleotides;

(c) determining the binding strengths of said polynucleotides to said target molecule;

10 (d) selecting one or more polynucleotides having relatively high binding strengths; and

(e) immobilizing each of the polynucleotides selected by step (d) to a microassay substrate, wherein a mutation is introduced into said polynucleotide nucleotide sequences.

2. The method of claim 1, wherein the mutation in step (e) is a one- or two-base substitution

15 mutation.

3. The method of claim 1 or 2, wherein the labeling is fluorescence labeling.

4. The method of any one of claims 1 to 3, wherein the contact in step (b) is carried out by

20 immersing the microarray substrate in a solution in which the target molecule has been dissolved.

5. The method of any one of claims 1 to 4, wherein the polynucleotides in step (a) comprise computer-generated random sequences.